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An Analogy to the Structural Behavior of Shear-Wall Systems

by

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1. Page 307: Equation (3) should read: $\frac{dM_x^r}{dx} = m_x^r = -\phi K \qquad (3)$

2. Page 311: Equation (14) should read:

$$F_i = \frac{12E}{h_i\left[\dfrac{1}{\sum \frac{I^c}{h_i}} \quad \dfrac{1}{\sum \frac{I^g}{L}}\right]} = \frac{12E}{h_i\left[\dfrac{1}{\sum K^c} \quad \dfrac{1}{\sum K^g}\right]} \qquad (14)$$

3. Page 321: The second full paragraph, beginning with the third line should read:

   tion, i.e. low kH values; and that of major frame action, i.e. larger kH values. Fig. 12a gives a graph for the displacement y of a structure for which kH = 1. The moments and shearforces, computed by the analogy presented here for a tensioned beam with the expressions summarized in Table I, are also shown in the same figure.

4. In equations (1), (6) and (7) replace P(x) with p(x).

5. In equation (23) replace K^2 with k^2.

6. On page 318, lower part, correct to $\overline{k}H = \sqrt{\frac{F}{EI^w}}\, H^P$ and

   $$kH = \sqrt{\frac{T}{EI}}\, H^M$$

7. Equation (29): $(kH)_M = (\overline{k}H)_P$

8. Equation (30): $(\overline{k}H)_P = \sqrt{\frac{F}{EI^w}}\, H^P$

9. In Equation (36) replace $\left(\begin{matrix} H^P \\ H^M \end{matrix}\right)^2$ with $\left(\frac{H^P}{H^M}\right)^2$

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10. In Figure 12b, the box is not fully printed. It should read: | kH = 10 |

11. Page 328: Last lines: change to $\sum \frac{I^c}{h}$ to $\sum \frac{I_1^c}{h}$

$\sum \frac{1^c}{h}$ to $\sum \frac{I_2^c}{h}$

and add below their sum $\overline{619.2 \text{ in}^3}$

12. Page 332: Change from 13824 x 10^3 · [E_c lb – in^2] to

13824 x 10^3 · E_c [lb – in^2]